

Rev05
Update: Jun,14,2023**DATASHEET**

MonoRab™ Anti-Daratumumab Antibody (139B10), mAb, Rabbit

Cat. No.: A02009

Overview

Specificity	The product is specific for Daratumumab.
Host Species	Rabbit
Immunogen	Daratumumab
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
ELISA	0.01-0.1 µg/ml
Competitive ELISA	1-10 µg/ml

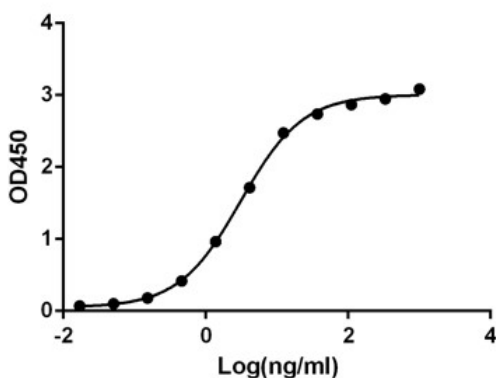
Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.
Purification	Protein A affinity column

Isotype	Rabbit IgG
Clonality	Monoclonal
Clone ID	139B10
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

MonoRab™ Anti-Daratumumab Antibody (139B10) binds with Daratumumab



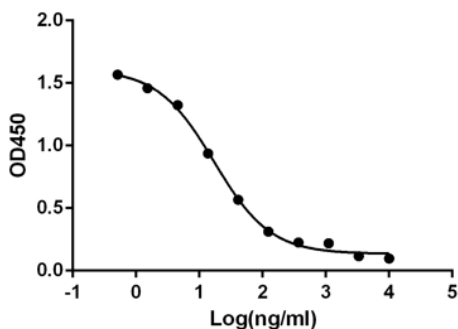
ELISA binding of MonoRab™ Anti-Daratumumab Antibody (139B10) (GenScript, A02009-40) with Daratumumab. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Coating antigen: Daratumumab, 1 µg/ml.

MonoRab™ Anti-Daratumumab Antibody (139B10) (GenScript, A02009-40) dilutions start from 1,000 ng/ml.

EC₅₀= 3.092 ng/ml.

MonoRab™ Anti-Daratumumab Antibody (139B10) blocks Daratumumab binding with Human CD38 protein



MonoRab™ Anti-Daratumumab Antibody (139B10), mAb, Rabbit (GenScript, A02009-40) blocks Daratumumab binding with Human CD38 protein.

Coating antigen: CD38 protein, 1 µg/ml

Daratumumab-biotin final concentration: 10 ng/ml

MonoRab™ Anti-Daratumumab Antibody (139B10), mAb, Rabbit (GenScript, A02009-40) dilutions start from 10 µg/ml

IC₅₀= 17.11 ng/ml

Background

Target Background : Daratumumab (Darzalex) is a human IgG1k monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of multiple myeloma. It binds with high affinity to CD38, which is highly expressed on the surface of multiple myeloma cells. Daratumumab can make immune system to attack cancer cells, resulting in rapid tumor cell death through immunomodulatory effects.

Synonyms : Rabbit monoclonal antibody to Darzalex

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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